AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) A system for digitization of complex work processes conducted during operation and/or testing of machinery or equipment, comprising:

an information processing system including an equipment controller and at least one fixed point wireless communications access station, the information processing system receiving and processing data or commands from one or more wireless communications access station relating to said machinery or equipment, and the controller controlling operation of the machinery or equipment in response to data or commands from the information processing system; and

a voice-responsive computing/communications device operating in conjunction with a microphone, said communications device including a speech recognition engine implementing speech-specific noise elimination and statistical noise cancellation processes capable of providing speaker-independent speech recognition, and ~~adaptively~~ also including circuitry for providing a first stage of analog domain active noise cancellation wherein certain predetermined frequency bands of noise are eliminated in the analog domain from a signal produced from said microphone, and a programmable second stage of adaptive digital domain noise cancellation wherein specific predetermined ambient noises and/or noise bands are continually identified and subtracted according to their characteristic digital frequency domain signature in the digital domain for providing customizable background noise suppression which is programmably adaptable to changes in ambient background noise to reduce or substantially eliminate non-speech ambient background noise in high background noise environments ~~where as much as 70~~

~~db or greater baseline non-speech ambient background noise may be present~~, and wherein the voice-responsive/communications device is in wireless communication with the information processing system via at least one fixed point wireless communications access station and is responsive to one or more ~~vocal utterances~~ voiced commands and/or spoken information of a user for communicating data to the information processing system and/or generating operational control commands to provide to the equipment controller for controlling said machinery or equipment.

2. (Previously presented) The system of claim 1 wherein said information processing system comprises a local area network (LAN).

3. (Previously presented) The system of claim 1 wherein said voice-responsive computing/communications device includes a directional microphone.

4. (Previously presented) The system of claim 1 further comprising a wireless communications network (WLAN) that permits digital communications with at least one remote private network or computer facility.

5. (Previously presented) The system of claim 4 wherein the wireless communication network comprises at least one antenna assembly having a transceiver system for transmitting and receiving signals from at least one wireless communications LAN access station.

6. (Previously presented) The system of claim 4 wherein said at least one remote private network or computer facility comprises a network server computer communicatively coupled to said voice-responsive computing/communications device via the wireless communications network, said server computer including a database for storing application data accessible by a user of said voice-responsive computing/communications device.

Claims 7 – 12. (Canceled)